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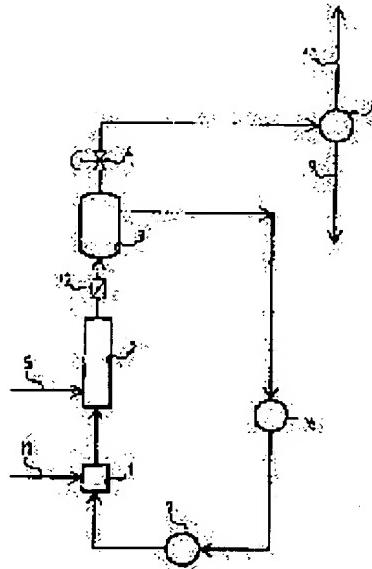
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(54) METHOD FOR PRODUCING HIGH-PURITY 1,2-DICHLORETHANE BY RECOVERING HEAT AND APPARATUS THEREFOR

(57)Abstract:

PURPOSE: To produce the high-purity 1,2-dichlorethane by recovering heat.

CONSTITUTION: In the process for producing the high-purity 1,2-dichlorethane by recovering the heat in a reaction area of 75 to 200°C and 1 to 15 bar in the presence of tetrachloroferrate (1-) catalyst in the solvent 1,2-dichlorethane from the equal mol ratio of ethylene and chlorine; the chlorine is dissolved in the circulating 1,2-dichlorethane in the previously connected mixing area and the ethylene is brought into reaction in a fine dispersion liquid phase of max. 2.0 mm in the post connected reaction area. The fine dispersion liquid phase is conducted to the reaction area for a stagnation time of 2.5 to 25 seconds at a rate of 0.3 to 1 m/s. The formed high-purity 1,2-dichlorethane (contg. chlorinated by-products smaller than 500 ppm) is led out by a gas via a flash evaporator.



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